ALGEBRA 1 Name:_____

Unit 5 Section 5.3 notes

These notes will be handed in at the end of class and will count as a quiz grade.

1. Read p. 236 and **Example 1** and **Example 2** on p. 237. Answer the **Try This** after the first example here.

2. Is the **rate of change** of a linear function the same as the **slope** of the linear graph that it represents? (see the bottom of p. 236)

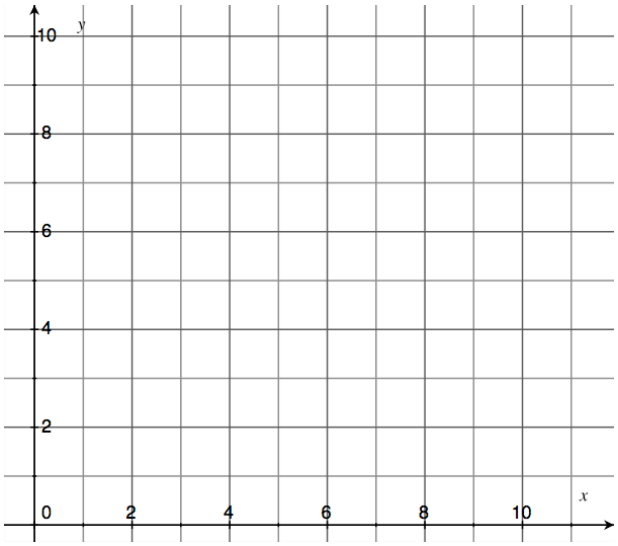
3. Read p. 238. What is **direct variation**? What is a **constant of variation**?

4. Read **Example 3** on p. 238. Answer the **Try This** after the example here.

5. Read **Example 4** on p. 238. Answer the **Try This** after the example here.

6. Read **Example 5** on p. 239. Answer the **Try This** after the example here.

7. Do questions 1-4 from the boxed **Activity** at the bottom of p. 239. Repeat with a constant of variation of 1 and 2. What do you notice about the **shape** of each direct variation graph? Do direct variation graphs always pass through the **origin**? How is the **slope** of each graph related to its **constant of variation**?



8. Begin work on the homework.

p. 240/1, 5-10, 13, 16, 23, 26, 28, 32-34, 53